CITY OF MENDON

SOIL SURVEY MAP

SEPTIC SYSTEM ADSORPTION FIELD SOIL SUITABILITY LIMITATIONS

GRAPHIC SCALE

1000' 0 500' 1000'

1 INCH = 1200 FEET

LEGEND

- WETLANDS

SOIL RATING

- VERY LIMITED
- SOMEWHAT LIMITED
- NOT LIMITED
- CITY LIMITS
- FUTURE ANNEXATION

https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
ABG2	AGASSIZ-BRADSHAW ASSOCIATION ERODED	Very limited	Agassiz (75%)	Depth to bedrock (1.00)	72.6	0.3%
				Slope (1.00)		
				Large stones (0.34)		
			Bradshaw (20%)	Slope (1.00)		
				Seepage, bottom layer (1.00)		
				Slow water movement (0.68)		
AhA	AIRPORT SILT LOAM, 0 TO 3 PERCENT SLOPES	Very limited	Airport (95%)	Depth to saturated zone (1.00)	193.1	0.9%
				Slow water movement (1.00)		
				Flooding (0.40)		
Ak	AIRPORT SILTY CLAY LOAM	Very limited	Airport (85%)	Depth to saturated zone (1.00)	51.2	0.2%
				Slow water movement (1.00)		
				Flooding (0.40)		
AnA	AVON SILTY CLAY LOAM, 0 TO 3 PERCENT SLOPES	Very limited	Avon (100%)	Slow water movement (1.00)	125.4	0.6%
AnB	AVON SILTY CLAY LOAM, 3 TO 6 PERCENT SLOPES	Very limited	Avon (90%)	Slow water movement (1.00)	268.4	1.3%
AnD	AVON SILTY CLAY LOAM, 10 TO 20 PERCENT SLOPES	Very limited	Avon (90%)	Slow water movement (1.00)	6.8	0.0%
				Slope (1.00)		
AsC	AVON - COLLINSTON COMPLEX, 6 TO 10 PERCENT SLOPES	Very limited	Avon (50%)	Slow water movement (1.00)	75.1	0.3%
BAF	BARFUSS-LEATHAM ASSOCIATION	Very limited	Barfuss (40%)	Slope (1.00)	282.5	1.3%
				Slow water movement (0.50)		
			Leatham (30%)	Slow water movement (1.00)		
				Slope (1.00)		
			LaPlatte (20%)	Slow water movement (1.00)		
				Slope (1.00)		
BmB	BLACKROCK GRAVELLY LOAM, 3 TO 6 PERCENT SLOPES	Very limited	Blackrock (100%)	Slow water movement (1.00)	50.3	0.2%
Cd	CARDON SILTY CLAY	Very limited	Cardon (90%)	Depth to saturated zone (1.00)	9.6	0.0%
				Slow water movement (1.00)		
			Salt Lake (5%)	Flooding (1.00)		
				Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
Ck	COLLETT SILTY CLAY LOAM	Very limited	Collett (90%)	Depth to saturated zone (1.00)	505.5	2.2%
				Slow water movement (1.00)		
CtA	COLLINSTON LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	Somewhat limited	Collinston (95%)	Slow water movement (0.50)	52.2	0.2%
CnC	COLLINSTON LOAM, 1 TO 6 PERCENT SLOPES	Somewhat limited	Collinston (90%)	Slow water movement (0.50)	76.4	0.3%
CnD	COLLINSTON LOAM, 6 TO 10 PERCENT SLOPES	Somewhat limited	Collinston (90%)	Slow water movement (0.50)	234.1	1.0%
CnE2	COLLINSTON LOAM, 10 TO 30 PERCENT	Very limited	Collinston (90%)	Slope (1.00)	166.1	0.7%

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
	SLOPES, ERODED			Slow water movement (0.50)		
CoA	CROOKSTON LOAM, 0 TO 3 PERCENT SLOPES	Somewhat limited	Crookston (95%)	Slow water movement (0.50)	846.8	3.7%
CoB	CROOKSTON LOAM, 3 TO 6 PERCENT SLOPES	Somewhat limited	Crookston (95%)	Slow water movement (0.50)	146.5	0.6%
CrS	CROWSHAW GRAVELLY LOAM, 3 TO 6 PERCENT SLOPES	Somewhat limited	Crowshaw (95%)	Slow water movement (0.50)	147.4	0.7%
CrC	CROWSHAW GRAVELLY LOAM, 6 TO 10 PERCENT SLOPES	Somewhat limited	Crowshaw (90%)	Slow water movement (0.50)	750.6	3.3%
CrD	CROWSHAW GRAVELLY LOAM, 10 TO 20 PERCENT SLOPES	Very limited	Crowshaw (100%)	Slope (1.00)	243.9	1.1%
				Slow water movement (0.50)		
DaC	DAGOR SILT LOAM, 4 TO 8 PERCENT SLOPES	Somewhat limited	Dagor (90%)	Slow water movement (0.50)	25.0	0.1%
DaD	DAGOR SILT LOAM, 10 TO 20 PERCENT SLOPES	Very limited	Dagor (100%)	Slope (1.00)	217.1	1.0%
				Slow water movement (0.50)		
				Flooding (0.40)		
Gp	GRAVEL PIT	Not rated	Gravel pit (100%)		2.8	0.0%
GsA	GREENSON LOAM, 0 TO 3 PERCENT SLOPES	Very limited	Greenson (90%)	Depth to saturated zone (1.00)	932.4	4.1%
				Slow water movement (1.00)		
			Logan (5%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
				Flooding (0.40)		
GsB	GREENSON LOAM, 3 TO 6	Very limited	Greenson (90%)	Depth to saturated zone (1.00)	27.6	0.1%
	PERCENT SLOPES			Slow water movement (1.00)		
HdA	HENDRICKS SILT LOAM, 1 TO 3 PERCENT SLOPES	Very limited	Hendricks (95%)	Slow water movement (1.00)	52.0	0.3%
HdB	HENDRICKS SILT LOAM, 3 TO 6 PERCENT SLOPES	Very limited	Hendricks (95%)	Slow water movement (1.00)	144.7	0.6%
HdC	HENDRICKS SILT LOAM, 6 TO 10 PERCENT SLOPES	Very limited	Hendricks (95%)	Slow water movement (1.00)	230.6	1.0%
HdD	HENDRICKS SILT LOAM, 10 TO 20 PERCENT SLOPES	Very limited	Hendricks (95%)	Slow water movement (1.00)	158.5	0.7%
HnD	HISSNER GRAVELLY CLAY LOAM, 10 TO 30 PERCENT SLOPES	Very limited	Hillsner (95%)	Slow water movement (1.00)	39.4	0.2%
				Slope (1.00)		
				Large stones (0.74)		
HnE	HISSNER GRAVELLY CLAY LOAM, 20 TO 30 PERCENT SLOPES	Very limited	Hillsner (95%)	Slow water movement (1.00)	38.0	0.2%
				Slope (1.00)		
				Large stones (0.74)		
HtE	HISSNER, EXTREMELY STONY CLAY LOAM, 1 TO 30 PERCENT SLOPES	Very limited	Hillsner (95%)	Slow water movement (1.00)	592.8	2.6%
				Slope (1.00)		
				Large stones (0.84)		
HuC	HYRUM GRAVELLY LOAM, 4 TO 8 PERCENT SLOPES	Very limited	Hyrum (95%)	Slow water movement (1.00)	223.9	1.0%
HuE	HYRUM GRAVELLY LOAM, 10 TO 35 PERCENT SLOPES	Very limited	Hyrum (95%)	Slow water movement (1.00)	291.7	1.3%
				Slope (1.00)		

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
KdA	KIDMAN FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	Very limited	Kidman, well drained (85%)	Seepage, bottom layer (1.00)	21.5	0.1%
				Slow water movement (0.50)		
Lr	LOGAN SILTY CLAY LOAM	Very limited	Logan (50%)	Depth to saturated zone (1.00)	382.1	1.7%
				Slow water movement (1.00)		
				Flooding (0.40)		
			Salt Lake (4%)	Flooding (1.00)		
				Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
MoB	MCMURDIE SILT LOAM, 3 TO 6 PERCENT SLOPES	Very limited	McMurdie (85%)	Slow water movement (1.00)	14.7	0.1%
				Seepage, bottom layer (1.00)		
MuC	MCMURDIE SILT LOAM, 6 TO 10 PERCENT SLOPES	Very limited	McMurdie (85%)	Slow water movement (1.00)	70.4	0.3%
				Seepage, bottom layer (1.00)		
MuA	MENDON SILT LOAM, 0 TO 3 PERCENT SLOPES	Very limited	Mendon (85%)	Slow water movement (1.00)	2,443.9	10.8%
			Rosine Springs, (5%)	Depth to saturated zone (0.47)		
				Slow water movement (0.47)		
MeB	MENDON SILT LOAM, 3 TO 6 PERCENT SLOPES	Very limited	Mendon (90%)	Slow water movement (1.00)	881.8	3.9%
MeC	MENDON SILT LOAM, 6 TO 10 PERCENT SLOPES	Very limited	Mendon (85%)	Slow water movement (1.00)	288.0	1.3%
MfB	MENDON-COLLINSTON COMPLEX, 1 TO 6 PERCENT SLOPES	Very limited	Mendon (45%)	Slow water movement (1.00)	280.9	1.2%
MfE2	MENDON-COLLINSTON COMPLEX, 6 TO 30 PERCENT SLOPES,ERODED	Very limited	Mendon (40%)	Slow water movement (1.00)	518.3	2.3%
			Collinston (40%)	Slope (1.00)		
				Slow water movement (0.50)		
			Wheelon (20%)	Slope (1.00)		
				Slow water movement (0.50)		
MvG2	MUNK-BLACKROCK GRAVELLY LOAMS, 30 TO 70 PERCENT SLOPES, ERODED	Very limited	Munk (80%)	Slope (1.00)	156.2	0.7%
				Depth to bedrock (1.00)		
				Slow water movement (0.50)		
			Blackrock (40%)	Slope (1.00)		
				Slow water movement (1.00)		
NcA	NIDLEY SILTY CLAY LOAM, 0 TO 3 PERCENT SLOPES	Very limited	Nidley (90%)	Depth to saturated zone (1.00)	122.6	0.5%
				Slow water movement (1.00)		
PaA	PARLEYS SILT LOAM, 0 TO 3 PERCENT SLOPES	Very limited	Parleys (90%)	Slow water movement (1.00)	48.5	0.2%
PsB	PARLEYS SILT LOAM, 3 TO 6 PERCENT SLOPES	Very limited	Parleys (85%)	Slow water movement (1.00)	1.8	0.0%
PtG2	POULINE-AGASSIZ ASSOCIATION , ERODED	Very limited	Pokoline (45%)	Slope (1.00)	313.5	1.4%
				Seepage, bottom layer (1.00)		
			Agassiz (45%)	Depth to bedrock (1.00)		
				Slope (1.00)		
				Large stones (0.66)		

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
RhA	RICKS GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES	Very limited	Ricks (55%)	Filtering capacity (1.00)	114.1	0.5%
				Seepage, bottom layer (1.00)		
RnB	RICKS GRAVELLY LOAM, 3 TO 6 PERCENT SLOPES	Very limited	Ricks (60%)	Filtering capacity (1.00)	20.0	0.1%
				Seepage, bottom layer (1.00)		
RhC	RICKS GRAVELLY LOAM, 6 TO 10 PERCENT SLOPES	Very limited	Ricks (100%)	Filtering capacity (1.00)	34.3	0.2%
				Seepage, bottom layer (1.00)		
RO	ROCK LAND	Not rated	Rock land (100%)		48.6	0.2%
Rs	ROSINE SPRINGS SILT LOAM	Very limited	Rosine Springs (90%)	Depth to saturated zone (1.00)	226.6	1.0%
				Slow water movement (0.47)		
			Logan (5%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
				Flooding (0.40)		
Se	SALT LAKE SILTY CLAY	Very limited	Salt Lake (100%)	Flooding (1.00)	20.2	0.1%
				Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
Sg	SALT LAKE-ROSINE SPRINGS COMPLEX	Very limited	Salt Lake (55%)	Flooding (1.00)	2,013.2	8.9%
				Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
			Rosine Springs, (40%)	Depth to saturated zone (1.00)		
				Slow water movement (0.47)		
			Airport (5%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
				Flooding (0.40)		
Sh	SALT LAKE-TRENTON COMPLEX	Very limited	Salt Lake (58%)	Flooding (1.00)	57.8	0.3%
				Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
			Trenton (40%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
			Logan (2%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
				Flooding (0.40)		
SSE	SMARTS SILT LOAM, 10 TO 30 PERCENT SLOPES	Very limited	Smarts (100%)	Slope (1.00)	714.7	3.2%
				Slow water movement (0.50)		
STG2	SMARTS-HOSKIN ASSOCIATION , ERODED	Very limited	Smarts (50%)	Slope (1.00)	1,341.4	5.9%
				Slow water movement (0.50)		
			Hoskin (40%)	Slow water movement (1.00)		
				Slope (1.00)		
				Depth to bedrock (1.00)		
				Large stones (0.80)		
SUG	SMARTS-LUCKY STAR-POULINE ASSOCIATION	Very limited	Smarts (40%)	Slope (1.00)	697.4	3.1%
				Slow water movement (0.50)		
			Lucky Star (25%)	Slope (1.00)		

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
				Slow water movement (0.50)		
				Large stones (0.00)		
			Pokoliner (20%)	Slope (1.00)		
				Seepage, bottom layer (1.00)		
SvC	STEED GRAVELLY LOAM, 6 TO 10 PERCENT SLOPES	Very limited	Steed (100%)	Seepage, bottom layer (1.00)	92.9	0.4%
				Filtering capacity (1.00)		
				Depth to saturated zone (1.00)		
				Flooding (0.40)		
Sy	STONY - ALLUVIAL LAND	Not rated	Stony alluvial land (100%)		295.6	1.3%
TrA	TRENTON SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	Very limited	Trenton (80%)	Slow water movement (1.00)	858.8	3.8%
				Depth to saturated zone (0.94)		
			Cache (5%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
				Flooding (0.40)		
TrA	TRENTON SILTY CLAY LOAM, MODERATELY DEEP WATER TABLE, 0 TO 2 PERCENT SLOPES	Very limited	Trenton (90%)	Depth to saturated zone (1.00)	227.2	1.0%
				Slow water movement (1.00)		
			Cache (5%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
W	WATER	Not rated	Water (100%)		1,820.0	8.0%
WhE	WHEELON SILT LOAM, 10 TO 30 PERCENT SLOPES	Very limited	Wheelon (95%)	Slope (1.00)	67.1	0.3%
				Slow water movement (0.96)		
WhE2	WHEELON SILT LOAM, 30 TO 50 PERCENT SLOPES, ERODED	Very limited	Wheelon (95%)	Slope (1.00)	109.0	0.5%
				Slow water movement (0.50)		
WtE2	WHEELON-COLLINSTON COMPLEX, 10 TO 30 PERCENT SLOPES, ERODED	Very limited	Wheelon (55%)	Slope (1.00)	926.4	4.1%
				Slow water movement (0.50)		
			Collinston (40%)	Slope (1.00)		
				Flooding (1.00)		
Wn	WINN SILT LOAM	Very limited	Winn (85%)	Depth to saturated zone (1.00)	48.4	0.2%
				Slow water movement (0.50)		
				Flooding (0.40)		
			Provo (5%)	Flooding (1.00)		
				Depth to saturated zone (1.00)		
				Seepage, bottom layer (1.00)		
				Slow water movement (0.47)		
Totals for Area of Interest					**22,614.9**	**100.0%**

Rating	Acres in AOI	Percent of AOI
Very limited	18,163.1	80.3%
Somewhat limited	2,284.9	10.1%
Null or Not Rated	2,167.0	9.6%
Totals for Area of Interest	**22,614.9**	**100.0%**

Rating Options—Septic Tank Absorption Fields (Mendon Annexation Area)